

Test Report

for GPS L1/GLONASS L1/BEIDOU2 B1 TIME SERVICE ANTENNA



Model: HXAT0GGBDTS40F

Chengdu HAIKIN MICROWAVE Technology Co., Ltd

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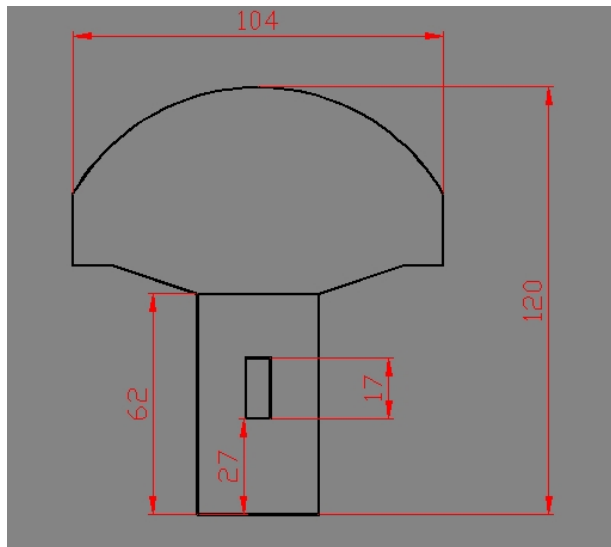
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Specification

1. Frequency: GPS L1:1575.42MHz±5MHz
GLONASS L1:1602MHz±8MHz
BD2 B1:1561MHz
2. Pattern:
Azimuth: Omnidirectional
Elevation: Hemispherical
3. LNA Gain: 39dB±2dB
4. Polarization: Right-hand circular
5. AR: ≤4dB
6. Noise: ≤2dB
7. Impedance : 50 Ω
8. VSWR : ≤2:1
9. Power requirements: Voltage: 5~12VDC
Current: ≤40mA
10. Connector: TNC female
11. Operating Temperature : -40℃~+85℃
12. Store Temperature : -55℃~+85℃
13. Weight: ≈ 200 g
14. Size: Φ105×120mm



Test Instruments

Agilent 83630B
HP8563E
HP8720D

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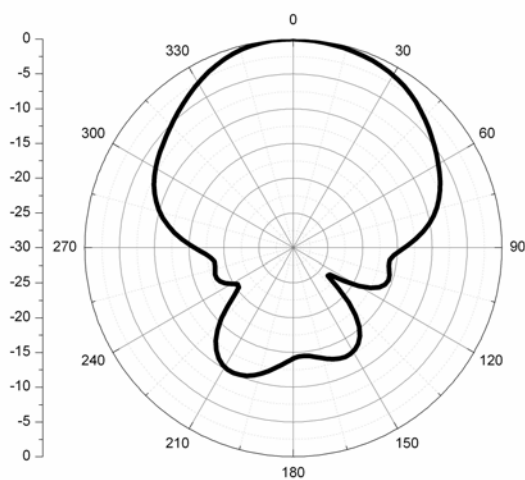
Test Results

1. Gain

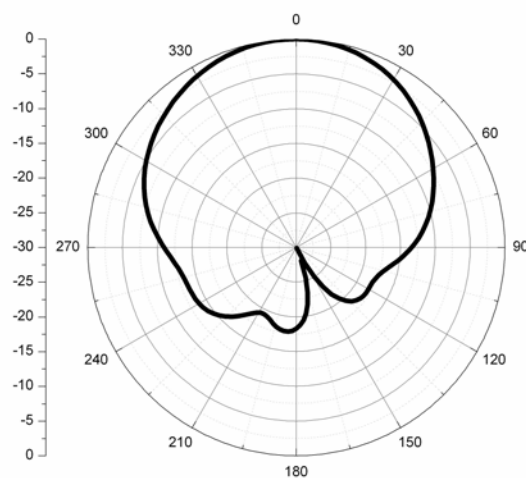


Frequency (GHz)	Gain (dBic)
1.561	42.6
1.575	43.8
1.602	43.1

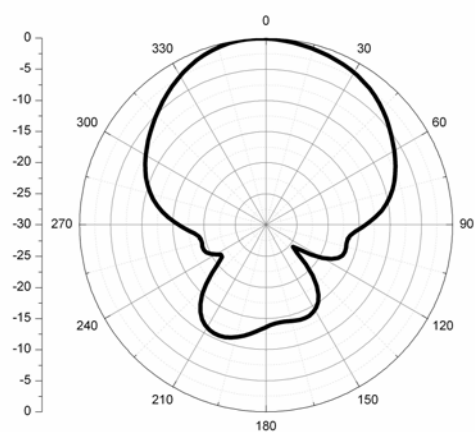
2. Pattern



Feq:1561MHz



Feq:1575MHz



Feq:1602MHz